

BEST AVAILABLE COPY

(12) UK Patent Application (19) GB (11) 2 285 374 (13) A

(43) Date of A Publication 05.07.1995

(21) Application No 9425612.0

(22) Date of Filing 18.12.1994

(30) Priority Data

(31) 172646

(32) 23.12.1993

(33) US

(71) Applicant(s)

Ricoh Company Limited

(Incorporated in Japan)

No 3-6 1-Chome, Nakamagome, Ota-ku, Tokyo 143, Japan

(72) Inventor(s)

James D Allen

Martin Bolish

Michael Gormish

Edward L Schwartz

(74) Agent and/or Address for Service

J A Kemp & Co

14 South Square, Gray's Inn, LONDON, WC1R 5LX, United Kingdom

(51) INT CL<sup>6</sup>

H03M 7/40, H04N 7/26

(52) UK CL (Edition N)

H4P POCFD

H4F FD12X FD3 FD30K FD32 FRW

(56) Documents Cited

GB 2269289 A GB 2269070 A US 5319457 A

US 5272478 A US 5225432 A US 5138315 A

Lin et al, IEEE Trans. on Circuits and Systems for Video Technology, June 1992, USA, Vol 2, No 2, p197-206

(58) Field of Search

UK CL (Edition N) H4F FRD FRR FRW FRX, H4P

POCFD POCFR POCFX

INT CL<sup>6</sup> H03M 7/30 7/40 7/42 7/46

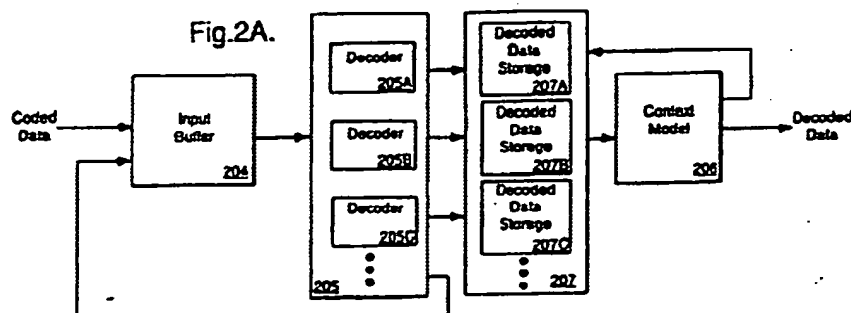
OnEac: WPL INSPEC

(54) Parallel encoding and decoding of data

(57) The specification relates to a system for decompressing a data stream having multiple codewords. The system includes an input channel 204 that receives the coded data stream and a decoder 205 which decodes each bit of the data stream, wherein at least two of the codewords in the data stream are decoded at the same time, such that the data stream is decoded in parallel.

Application is to digital audio-video systems and codes mentioned include entropy, Huffman and Tunstall, interleaving is described also.

About a dozen different inventions are claimed.



At least one drawing originally filed was informal and the print reproduced here is taken from a later filed formal copy.

At least one of these pages has been prepared from an original which was unsuitable for direct photoreproduction.

GB 2 285 374 A